



Communicator

June 2014

SARC Foxhunt

Pages 6 & 7

Repeater Site Visit

Page 5

About Hedy LaMarr

Page 9

Features

Radio-Active

Jeremy Morse VE7TMY

RAC News

Page 10

President's Report

Page 18

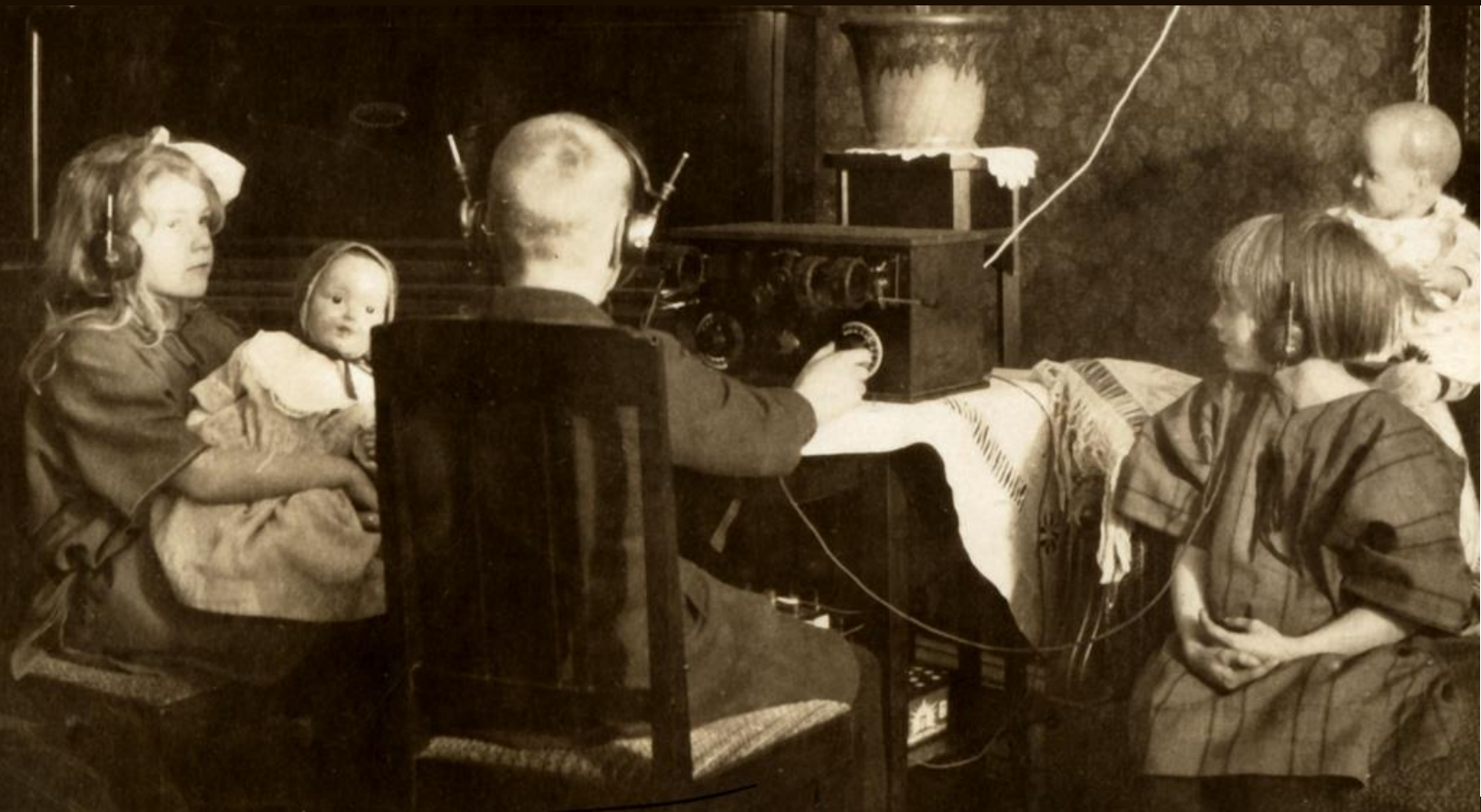
Plus

June Calendar

SEPARS Report

QRM

News You Can Lose
and Much More!



Young, Old or In-Between—Field Day Has Something For Everyone

The June 2014 Newsletter of the Surrey Amateur Radio Club

Next The Annual General Meeting June 11th



The Communicator



**SURREY
AMATEUR RADIO CLUB**

TELEPHONE & ADDRESS

(604) 591-1825
12144 - 57A Avenue
Surrey, BC V3X 2S3
SARC@ve7sar.net

EDITOR

John Schouten
SARCcommunicator
@outlook.com

WEBMASTER

Hui Yee VE7YXG

QSL Manager

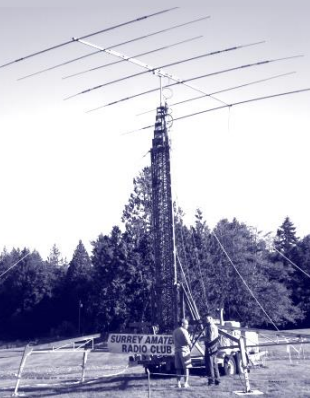
Nelson Eisel VE7NAE

VIA THE WEB

www.ve7sar.net

The SARC Communicator is published monthly except August for members of the Surrey Amateur Radio Club.

SARC maintains a website at www.ve7sar.net that includes club history, meetings, news and other information.



May Monthly Meeting Minutes

May 14, 2014

Business Meeting

President John VA7XB brought the meeting to order at 1900 hrs and welcomed everyone including two recent ham class graduates. Matters raised were:

- Financial Report-Scott VE7HA reported expenditures since the last meeting and stated that the books for this fiscal year would be closed shortly, in preparation for the year-end audit.
- Repeater-John VA7XB reported that construction of the enclosure around the repeater equipment will be commencing within days, the entire cost to be borne by Surrey Fire Services.
- AGM-members were reminded that SARC's Annual General Meeting will take place on June 11th and that nominations are being sought to fill anticipated vacancies on the Board of Directors.
- Sick/Injured-Jim VE7FO reported on the status/health of Jay VE7KC following his surgery, and a card prepared by Bill VA7ZBL was circulated for signature by all present.

There being no new business, the agenda then turned to Field Day Orientation.

Field Day Orientation

A comprehensive series of PowerPoint slides was presented outlining the objectives, strategies and many details of the Field Day plan. A video of last year's FD was shown as an introduction. The following members described the current status of planning:

- Introduction & Objectives-John VA7XB
- Site Safety-John VA7XB
- Site Plan-John VA7XB
- HF Competitive Station-Stan VA7NF

CLUB EXECUTIVE 2013-2014

PRESIDENT

John Brodie VA7XB

VICE PRESIDENT

Brett Garrett VE7GM

SECRETARY

Rob Gilchrist VE7CZV
(also Net Manager)

TREASURER

Scott Hawrelak VE7HA

DIRECTORS

John Schouten VE7TI
(Communicator Editor)

George Merchant
VE7QH (Repeaters)

Bill Little VA7ZBL
(Membership)

Bill Gipps VE7XS

IN THIS ISSUE

click on the links below

Feature

SARC AGM Report

Radio-Active

Jeremy Morse VE7TMY

Articles

Hedy LaMarr Sexy Inventor
Repeater Site Visit
FoxHunt Results
A Notable QSL Card
The Served Community

Plus...

SEPAR Report
QRM
News You Can Lose
RAC News
June SARC Calendar

	SEPARS Net	SARC Net
1 st Tuesday	Drew VA7DRW Jay VE7KC Standby	Brett Garrett VE7GM
2 nd Tuesday	Dixie VA7DIX Alan VA7BIT Standby	Jinty VA7JMR
3 rd Tuesday	Rob VE7CZV	Anton VE7SSD
4 th Tuesday	Peter VE7PGX Dixie VA7DIX Standby	John VA7XB
5 th Tuesday	Jinty VA7JMR	Elizabeth VE7ELA
Want a turn at Net Control? Contact the SARC Net Manager VE7CZV @ separs.net		

SARC hosts an Amateur Radio net each Tuesday evening at 8 PM. Please tune in to the VE7RSC repeater at 147.360 MHz (+600 KHz) Tone=110.9, also accessible on IRLP node 1736 and Echolink node 496228. On UHF we operate a repeater on 443.775MHz (+5Mhz) Tone=110.9 and EchoLink Node 1736

DOWN THE LOG...

- VHF Station-Stan VA7NF
- Networking & Internet-Kapila VE7KGK & Keenan VE7XEN
- HF Drop-in Station-Rob VE7CZV
- GOTA Station-Jinty VA7JMR
- Antennas-Jim VE7FO
- Food-Alex IZ7FMM
- Message Handling-Rob VE7CZV
- Educational Activity-Joe VE7TOL and Al VA7ALZ
- Publicity-John VE7TI
- Public Information Table-Al VA7ALZ and Joe VE7TOL
- Youth Participation-Anton VE7SSD and Al VA7ALZ
- Satellite Contact-John VE7TI
- Alternative Power-Al VE7CDC
- Required Accessories to be purchased-John VA7XB
- Site Protocols & "Don't Forget" Items-John VA7XB
- Equipment & Materials Needed-John VA7XB
- Meal Request & Prepayment Forms-Scott VE7HA

During their presentations, Jim VE7FO and Stan VA7NF outlined the rationale for purchase of accessories to protect the radios, to provide flexibility in use of antennas and to allow 2 radios to be used on a single band. After description of these items and their cost, it was moved by Kjeld VE7GP and seconded by Elizabeth VA7ELA that the membership authorize the expenditure of approximately \$800 (plus tax, shipping, parcel pickup and US exchange) for purchase of 5 surge arrestors, 3 Bandpass filters and a triplexer. The motion was approved unanimously. John VA7XB noted that further expenditure may be necessary once the configuration of the low band antennas has been finalized.

The meeting concluded with members signing up for various volunteer tasks, station operation, transportation and provision of needed equipment.

Adjournment followed at 2100 hrs.

Some notable highlights of the discussion and sign-up were:

1. No one has yet volunteered to assist Alex IZ7FMM with food-Alex does not have a vehicle and needs help with transportation to and from the site. Jinty VA7JMR offered to assist with food shopping. Heinz VA7AQ stated that he could arrange for purchase of food at a good price via a family member. Alex should have a cash advance for purchase of food and supplies.
2. Al VE7CDC noted that there had been no discussion of power and he would need to confirm power requirements and distribution, the availability of generators, and consider generator placement. He also wishes to inspect the site and confirm the layout of tents and tarps etc. John VA7XB agreed to follow up on site with Al.
3. No one has yet volunteered to make and put up signs. This job is mostly complete (using last year's signs), but needs review and possibly a few supplementary signs.
4. Transportation: The small (yellow) tower/trailer and SEPAR's trailer will be hauled by Al VE7CDC.

The larger tower/trailer will be hauled by John VE7TI.

Al VA7ALZ and John VA7XB will transport other items from Firehall No. 10 and from Anton's, respectively.

5. Arthur VE7SIE and Nicole VE7PET will look after coffee/soft drinks/water/snacks (but will need a cash advance)
6. Nelson VE7NAE offered the use of his Hustler 4BTV vertical for 40/20/15/10m. The antenna is 21.5' tall and would require ground radials up to 32' long.
7. Alex IZ7FMM also has access to a SteppIR 40 m vertical.
8. Additional GOTA operators/coaches are required.

Minutes prepared by Rob VE7CZV

SARC Monthly Meetings

2nd Wednesday (Sept-Jun)
1900 hrs local at the Emergency Management BC PREOC,
14275 96th Avenue, Surrey, BC

Weekly Club Breakfast

Friday at 0800 local
Kalmar Family Restaurant at
King George Blvd. & 81st Avenue
Surrey

SARC Net

Tuesday at 2000 hrs local
on 147.360 MHz (+) Tone=110.9

SEPARS Net

Tuesday at 19:30 hrs local
on 147.360 MHz (+) Tone=110.9

SEPARS Monthly Training

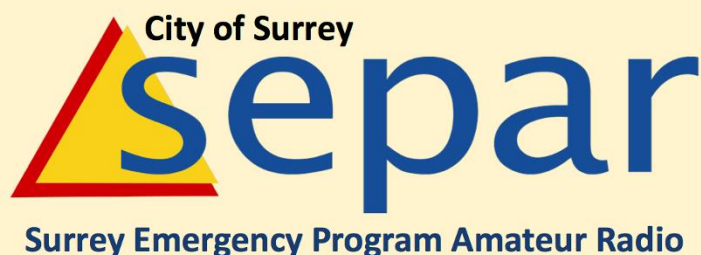
Fourth Tuesday of each month,
1900-2100 local
14923-64th Ave, next to Firehall
#9, Surrey.

On the Web ve7sar.net

Between newsletters, watch your e-mail for announcements of events, monthly meetings and training opportunities. These announcements can also be found on our web page, or via:

Twitter
[@ve7sar](https://twitter.com/ve7sar)

Photos
[Web Albums](#)



Invite you to attend **Amateur Radio Field Day**

Operating for 24 hours from 11am Saturday, June 28th

NW Corner of 176th Street at 20th Avenue, Surrey
(The former Grandview Heights School grounds)

More than 35,000 hams from across North America and beyond compete for points earned by setting up a station and operating for 24 hours without commercial infrastructure. The contest component is to work as many stations as possible on any and all amateur bands and to learn to operate in abnormal situations and less than optimal conditions, as would be the case in a disaster.

On Saturday from 11am until 5 PM:

- Hands-on Childrens Activities
- Come Find The 'Fox' Transmitter Hunt
- An opportunity to make a contact
- ... and more

For Additional Information

VE7SAR.NET

Twitter: #VE7SAR



Repeater Site Visit

On Sunday April 27th, about 12 SARC members met at our repeater site for a tour of the VHF and UHF equipment, the BCWARN system and the antennas on the roof.

We had been talking about doing this for some time, but on-going problems with bad air in the boiler room where the repeaters are housed precluded the visit until conditions improved. The location of our equipment on top of one of the highest buildings in Surrey now provides dramatically enhanced propagation throughout Surrey and beyond, compared with the old site. The weather cooperated and we were treated to a fine view in all directions. The group is grateful to Steve Coleman VE7MAN and Geoff Armstrong VE7KA who explained some of the history and how all the equipment works. Members were informed that the commitment has now been made and the monies found to enclose the repeaters inside an air-tight room equipped with air conditioner to keep the equipment at a comfortable temperature and humidity, and effectively isolated from the boiler room. A big thanks goes out to Surrey Fire Services for making this happen!



LANGLEY GOOD TIMES CRUISE-IN

SARC is once again partnering with the Langley Amateur Radio Association (LARA) for the Langley Good Times Cruise-In. This is a very popular community event that showcases collector cars of all types. The event this year is on Saturday, September 6th.

As we did last year, we are selling up to 2,500 two-dollar raffle tickets as a fund-raiser with profits to be split 50-50 with LARA.

We need your support to sell these tickets! They will be available at the AGM or by contacting Bill Little VA7ZBL.

The prizes this year are:

1. A \$500 gift certificate to the world famous Harrison Hot Springs Resort plus two complimentary bathrobes;
2. A Kindle Paperwhite eBook Reader, case & charger (value \$135);
3. A cheese basket and 4 movie tickets (value \$85).

Hey, who wouldn't want to win one of those prizes, and the odds are certainly better than the lotto! Buy a book of 10 tickets and give them away to your friends... they'll owe you big-time if they win.

For more information on the Cruise-in visit URL www.langleycruise-in.com and, by the way, good luck.



The SARC FoxHunt

John Brodie VA7XB

Another successful SARC event

About 20 foxhunters from the Lower Mainland and Vancouver Island participated in SARC's annual foxhunt at Crescent Park in South Surrey on Saturday, May 10th. While the skies were overcast, no rain materialized to dampen the spirits of the participants who hunted five 2m foxes and ten 80m foxes over the course of 2 hours.

Special thanks go out to Amel VA7KBA, Les VE7OM, Anton VE7SSD and Al VA7ALZ who organized the event and also to Brenda (Anton's XYL) who helped with the food preparations and did a great job grilling hotdogs and hamburgers for the hungry crowd. We are also grateful to Geoff VA7HIG and Al VA7ALZ, who generously donated paper plates, soft drinks, water and a cooler to the event.

We appreciate the enthusiastic technical support and coaching from BC Radiosport, the local clubs which participated and the 3 foxhunters that came over from Victoria.

The foxhunt winners were:

- 1st place Les Tocko VA7OM
- 2nd place Anton James VE7SSD
- 3rd place Steve and Karen Draper
- 4th place John MacConnachie VE7GE
- Special mention - Walt Hendrickson VE7BGJ in the "vision impaired" category found 2 HF Microfoxes



The group ready to start



Brenda at the grill



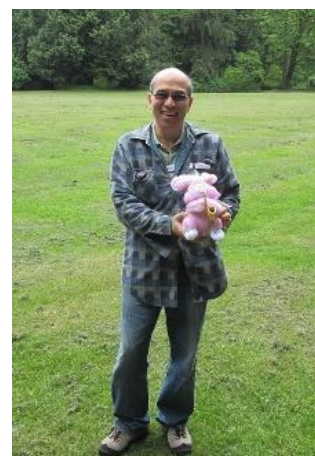
Amel VA7KBA describing new 80 m foxes and how they work



Enjoying the BBQ: Les Tocko VA7OM and Joe Young VE7BFK at rear; Julian Pattison and John MacConnachie VE7GED seated (all but Les from Victoria)



Anton VE7SSD congratulating Les Tocko VA7OM on his 1st place finish



Anton with his pink bunny 2nd place award

More Foxhunt News

The 80m Project

Here is an update for the 80m project:

1. Transmitters: 5 foxes and 1 beacon completed and tested. Work good. Transmitters at 3.550 MHz, beacon at 3.600 MHz
2. 80m receiver prototype: Completed tested, works good. Sensitivity is similar to my DF1FO receiver. Selectivity - standing 10 meters from full power 5W transmitter with fully erected 20 ft antenna and 15 ft counterpoise I had no problem taking bearing to a microfox located 70 meters away. Fox at 3.55 MHz, microfox at 3.579 MHz. Tomorrow I am sending the receiver to Victoria for evaluation at their April 19 foxhunt.
3. Parts for 18 microfoxes received. 10 go to Victoria and am building 8 for BC Radiosport. Frequency of microfoxes 3.579 MHz.

The cost of microfox parts is \$7.04 and the cost of 80m receiver parts is \$37.34. However, the prototype of the receiver cost was more as I had to purchase some extra parts as well as minimum order ones.

Thank you for your support.

-Les VA7OM

Traditionally SARC members have done foxhunts on 2m and experienced the frustration of reflected signals giving misleading directions. The 80m version does not suffer from this drawback as the HF signal is not subject to typical VHF behavior and therefore the direction is more reliable, i.e. 80m foxhunting is easier!

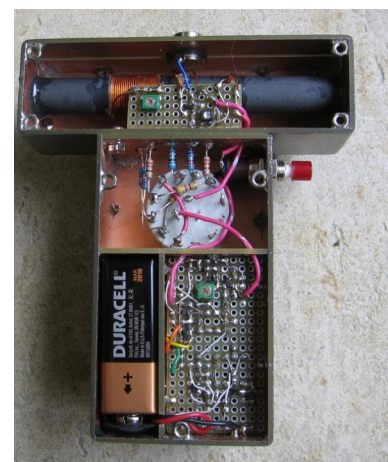
Les VA7OM has constructed a prototype 80m foxhunt receiver just like the one shown in the photo. Les plans to make a detailed manual describing the construction. Cost is \$43 per kit but he needs a minimum of 9 orders to make it worthwhile.

If you would like to make one of these kits please let me know and I will accumulate names and pass them on to Les.

-John Brodie
va7xb@rac.ca



Les Tocko VA7OM holding the 80 m receiver that he designed and constructed





Radio-Active

Jinty Reid VA7JMR

Introducing Jeremy Morse VE7TMY

Jeremy is originally from Albany in Oregon but came to Canada in 1986 to the City of Kamloops. He now has American/Canadian dual citizenship and stated that he has been so long in Canada he now feels somewhat more Canadian than American.

After living in Kamloops for 13 years he moved to Surrey in 1999. As a teenager he played the trumpet while living in Kamloops and attended the Kamloops Summer School of Music. Jeremy went to Valley View Junior Secondary School and played soccer for several years making it to the Provincials. He then went on to attend Cariboo College which later became a university. There he graduated in a 2 year program in Computer Science (CSOM). While at college, he earned extra money delivering pizzas. He did his practicum in Sicamous, Salmon Arm and Kamloops.

His first job was for Telus in Burnaby and he worked there for 2 years. Telus provided him with the opportunity to work in Texas for 6 months. Due to financial cuts and Jeremy being the last one hired, he was laid off which was a difficult time for him. However, another door opened and he was hired by Electronic Arts in Burnaby, the largest publisher of video games in the world. With them he has travelled to England, Spain and Mexico. Jeremy is still working for this company today.

In his earlier years Jeremy used a CB radio and radio scanner and, with a friend's encouragement he became interested in ham radio but did not follow this up at that time. He recently joined the Herd of Turtles Club, a four-wheel drive society based in the lower mainland. All of their members have their ham radio licenses which provided another impetus to Jeremy getting his license.

However, it was not until early in 2014 that he acted on this interest and obtained his Basic Ham License, with honours, through the Chilliwack Ham Radio club. Jeremy bought two radios; a Kenwood TM-D72A handheld and a Kenwood TM-D710G radio. Now that he has HF privileges Jeremy plans to try this out when he can. He likes the idea of contacting hams in other countries and exchanging QSL Cards. He is on a steep learning curve at present with so many options before him as a ham radio enthusiast.

He is interested in software defined radio and has purchased a SDR Kit and is in the process of building it. In looking ahead he would like to eventually take his Advanced License and do CW, which he has only dabbled in previously.

Interestingly, Jeremy is a descendent of Samuel Morse who invented Morse Code and his telegraph. Jeremy enjoyed the recent visit arranged by SARC to the SARC Repeater and BC Warn System, which he found fascinating.



Among other interests, Jeremy is a keen fly fisherman, check out the photo of his car license plate folks! Jeremy is a person who, when he does something, is very thorough and pays attention to detail. He does not see himself as overly social but does like to socialize when the opportunity presents itself. His technical abilities will be an additional asset to SARC. Welcome Jeremy to ham radio and SARC.





From the 'Strange But True' Department

Compiled from various sources—John Schouten VE7TI

Hedy LaMarr—Hollywood Screen Seductress and the Mother of Spread Spectrum Communications

Other than some fleeting familiarity with her films, I first learned about Hedy Lamarr (9 Nov 1914 - 19 Jan 2000) while on a tour of celebrity homes in Palm Springs, CA. She was an Austrian actress, sex symbol and... yes, inventor. Not something usually attributed to screen seductresses.

She started her film career in Austria. When she worked with Max Reinhardt in Berlin, he called her the "most beautiful woman in Europe" due to her "strikingly dark exotic looks", a sentiment widely shared by her audiences and critics. Friedrich Mandl, her first husband, objected to what he felt was exploitation of his wife. The 19-year old Lamarr had married Mandl on 10 August 1933. Mandl, reputed to be the third richest man in Austria, was a munitions manufacturer. In her autobiography *'Ecstasy and Me'*, Lamarr described Mandl as extremely controlling, preventing her from pursuing her acting career and keeping her a virtual prisoner, confined to their castle home, Schloss Schwarzenau. Although half-Jewish, Mandl had close social and business ties to the fascist governments of Italy and Germany, selling munitions to Mussolini.

In her memoir, Lamarr wrote that Mussolini and Hitler had attended lavish parties hosted at the Mandl home. Mandl had Lamarr accompany him to business meetings where he conferred with scientists and other professionals involved in military technology. These conferences became Lamarr's introduction to the field of applied science and the ground that nurtured her latent talent in the scientific field. She had been an excellent student and attended the best private schools in her youth.

Lamarr emigrated from Austria by posing as a maid, to escape her controlling husband. First she went to Paris, then met Louis B. Mayer in London. Mayer hired her and insisted that she change her name to Hedy Lamarr—she had been known as "the Ecstasy lady" — choosing the surname in homage to the beautiful silent film star, [Barbara La Marr](#), who had died in 1926 from tuberculosis. She received good reviews for her American film debut in *Algiers* (1938) with Charles Boyer, who asked that Lamarr be cast after meeting her at a party.

She became a contract star of MGM's "Golden Age". In Hollywood, she was invariably cast as the archetypal glamorous seductress of exotic origins. Lamarr played opposite the era's most popular leading men during the 1940s. She appeared only sporadically in films after 1950, and for a time gave up custody of her children as she became destitute. Twice during the 1960s she was charged with shoplifting.

And now the rest of the story...

Avant garde composer [George Antheil](#) (died 1959), a son of German immigrants and a neighbor of Lamarr in California, had experimented with automated control of musical instruments, including his music for *Ballet Mécanique*, originally written for Fernand Léger's 1924 abstract film. This score involved multiple synchronized player pianos playing simultaneously.

During World War II, Antheil and Lamarr discussed the fact that radio-controlled torpedoes, while important in the naval war, could easily be jammed by broadcasting interference at the frequency of the control signal, causing the torpedo to go off course. Lamarr had learned something about torpedoes from Mandl. Antheil and Lamarr developed the idea of using frequency hopping to avoid jamming: using a piano roll to unpredictably change the signal sent between a control center and the torpedo at short bursts within a range of 88 frequencies in the radio-frequency spectrum (there are 88 black and white keys on a piano keyboard). The specific code for the sequence of frequencies would be held identically by the controlling ship and in the torpedo. It would be practically impossible for the enemy to scan and jam all 88 frequencies, as this would require too much power or complexity. The frequency-hopping sequence was controlled by a player-piano mechanism, which Antheil had earlier used to score his *Ballet Mecanique*.

On August 11, 1942, [U.S. Patent 2,292,387](#) was granted to Antheil and Hedy Kiesler Markey, Lamarr's married name at the time. This early version of frequency hopping, although novel, soon met with opposition from the U.S. Navy and was not immediately adopted although it was held a closely guarded technological secret by the US military. Lamarr wanted to join the National Inventors Council but was reportedly told by NIC member Charles F. Kettering and others that she could better help the war effort by using her celebrity status to sell War Bonds.

Frequency Hopping was not implemented in the US until 1962, when it was used by U.S. military ships during a blockade of Cuba after the patent had expired. Her work was not honoured until 1997, when the Electronic Frontier Foundation gave Lamarr a belated award for her contributions. In 1998, an Ottawa wireless technology developer, Wi-LAN Inc., acquired a 49% claim to the patent from Lamarr for an undisclosed amount of stock. LaMarr was once again a wealthy woman.

Lamarr's and Antheil's frequency-hopping idea serves as a basis for modern spread-spectrum communication technology, such as Bluetooth, COFDM (used in Wi-Fi network connections), and CDMA (used in some cordless and wireless telephones).



RAC News

Radio Amateurs of Canada

Invitation to All Amateur Radio Operators - Consultation on Federal Regulatory Issues of Interest to Amateurs

The Radio Amateurs of Canada is seeking input from Amateur Radio operators on developing an inventory of issues that should be raised with Industry Canada for resolution. The Radio Amateurs of Canada represents and advocates for all Amateurs to our federal regulator but provides services to our members only.

Your input can be by email or hardcopy. Items raised by Amateurs may be published in The RAC Report newsletter with personal identifiers removed.

RAC is looking for your immediate input. Email and hardcopy to be sent to our office. Radio Amateurs of Canada 720 Belfast Road, Unit 217 Ottawa ON K1G 0Z5
rachq@rac.ca

New 472-479kHz spectrum allocation for Amateur Radio in Canada.

RAC is pleased to announce the official Canadian implementation of the 472-479 kHz band. "Agreed to in 2012 at the World Radio Conference (WRC), and now approved in Canada. This is more good news for Canadian amateur radio", said enthusiastically Geoff Bawden, VE4BAW, and RAC President.

The amateur service is now authorized to use the 472-479 kHz band with the release of the new Canadian Table of Frequency Allocations by Industry Canada. While approved at WRC 12 by the ITU, each country then must implement regulations for its amateurs before the band is available. Operations are subject to the international foot notes, which limit power to 5 watts EIRP except in certain areas within 800 km of certain other countries. Industry Canada release:

http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/h_sf01678.html

The RAC 0-30 MHz Band Planning Committee will be proposing a suitable band plan to enable best use of this new very narrow band. Comments and suggestions may be sent to the committee via rachq@rac.ca. Those looking to become active on this new band are encouraged to write of their experiences for TCA, given the challenges of antennas and equipment for this new band.

This addition to our allocations is especially appropriate given that Industry Canada, with Bryan Rawlings, VE3QN, acting as a representative for both RAC and IARU, lead the charge for this new band at WRC 12. Of course, WRC 12 was the end of a long process that started many years

earlier and many others need to be recognized for their contributions: Industry Canada, which brought together all of the industry players to form consensus, Ken Pulfer VE3PU (SK) who started it all off and provided help and insight throughout the multi-year process, Dave Conn VE3KL did the critical antenna analyses. Jim Dean VE3IQ oversaw getting licenses for 504 - 509 kHz experiments to verify non-interference to power control systems. Also, Norm Rashleigh VE3LC who guided the favourable responses to the proposed amateur secondary allocation at 472-479 kHz through IC's Request for Public Consultations on the WRC-12 decisions. Many others also provided valuable support and work over a seven year process.

— NOTICE —

RADIO AMATEURS OF CANADA INC.

The Radio Amateurs of Canada is pleased to hold its Annual General Meeting (AGM) in New Westminster, British Columbia. The AGM event will be hosted by the Orca DX and Contest Club and will be held in conjunction with the 59th annual Vancouver 2014 Pacific Northwest DX Convention which is being held at the same location. All RAC members are encouraged to attend the Annual General Meeting.

Date: Sunday, July 27, 2014 after the DX Convention.
 Time: 1 pm

Place: The Annual General Meeting will be held at the Inn at the Quay, 900 Quayside Drive in New Westminster, British Columbia.

Agenda items will include:

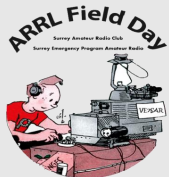
- Report of the President
- Review of the 2013 finances
- Appointment of auditors for 2014
- Amendment to RAC Constitution (see the right column)
- Question and Answer period

This is your opportunity to hear what your representatives have been doing over the past year, to raise questions, and to make suggestions about how RAC is managed and where it is going in the future.

The meeting will be attended by some of the members of the RAC Board of Directors and Executive and is open to all RAC members. In addition there will be a planned Webinar which RAC members can attend remotely.

For more information on the Pacific Northwest DX Convention please see the article below or visit:
<http://orcadxcc.org/vancouver2014/home.html>

The SARC Calendar ...places to be in Surrey for Amateur Radio in the month ahead

June 2014						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 SEPAR NET 7:30 SARC NET 8:00	4 SARC Exec Meeting	5	6 Weekly SARC Breakfast 8:00 Kalmar Family Restaurant 81 st & King George Blvd. SEA-PAC: Seaside, OR	7 SEA-PAC: Seaside, OR
8 SEA-PAC: Seaside, OR	9	10 SEPAR NET 7:30 SARC NET 8:00	11 SARC General Meeting @ 19:00 Provincial Regional Emergency Ops Ctr (PREOC) 14275 96th Ave. Surrey	12	13 Weekly SARC Breakfast 8:00 Field Day Pre-testing to be complete	14 Field Day Staging & Testing
15 Field Day Staging & Testing	16	17 SEPAR NET 7:30 SARC NET 8:00	18	19	20 Weekly SARC Breakfast 8:00	21 CONTEST: All Asian DX (CW)
22 CONTEST: All Asian DX (CW)	23	24 SEPAR NET 7:30 SARC NET 8:00 SEPAR Monthly Meeting—19:30 Surrey Fire Training Centre	25 SARC Exec Meeting	26	27 Weekly SARC Breakfast 8:00 Field Day Set-up	28 
29 	30	1	2	3	4	5
For details on all SARC events, go to ye7sar.net For details on all SEPARS events, go to separ.shutterfly.com/calendar						

Contest Details: <http://hornucopia.com/contestcal/contestcal.html>



QRM

...from the Editor's shack

*Do you have a photo or bit of club news to share?
An Interesting link?
Something to sell or something you are looking for?
Email it to SARCcommunicator@outlook.com for inclusion in this column.*



Wishing Jay VE7KC
a speedy recover after recent surgery.

Check out this Ham Radio article!

<http://www.businessinsider.com/social-network-ham-radio-2014-5>

Thanks to Joe Zaccaria VE7TOL

NPR History and Science

National Public Radio looks at Ham Radio over the past 100 years

<http://wnpr.org/post/celebrating-100-years-ham-radio-0>

Advanced Amateur Radio Course

The Delta Amateur Radio Society will be holding an advanced radio course starting in November 2014. As the advanced course is far more intense than the basic course I would advise all interested hams to please read the page regarding the advanced course on our website.

http://deltaamateurradio.com/wp/?page_id=402

You may register on the website and an early bird special does apply. Any questions feel free to email: gi@deltaamateurradio.com

How To Solve Common Tech Headaches

Along with the wheel and modern medicine, technology is one of humankind's greatest inventions. It's constantly improving; helping us stay connected and entertained, and leading the charge of mind-blowing innovation. Even so, we've all been saddled with a frustrating tech issue.

Whether it's tangled or damaged cords, or a constantly dwindling phone battery, here are ways to combat a few of the most common techie woes.

http://www.connectedrogers.ca/how-to/how-to-solve-common-tech-headaches/?extid=syn-ob&utm_source=ob&utm_medium=syn&utm_campaign=obrc

2014 PACIFIC NORTHWEST DX CONVENTION

The Convention will be hosted by ORCA DX and Contest Club and held from July 25-27 at the beautiful Inn at the Quay in New Westminster, British Columbia, just 25 minutes by SkyTrain southeast of downtown Vancouver and 20 minutes north of the "Peace Arch" BC-Washington border crossing.

Highlights include:

- a great program of notable DXpeditioners
- a super prize package
- one of the most picturesque settings ever to host this annual gathering of DXers

The theme of the Convention is "Remember the Magic". Come to the event and reawaken the feeling of discovering Amateur Radio for the first time - and especially for DXers, the excitement of making contacts all over the world and the "magic" of how that actually happens.

The program is still being developed and will be updated regularly on our website. We are planning an extraordinary time for all attendees. DXers will enjoy a riveting lineup of presentations and seminars, and plenty of prizes to make things even more interesting. For your non-DXer companions, New Westminster offers a wealth of activities and sights to see, and downtown Vancouver is nearby.

For more information please visit:

<http://orcadxcc.org/vancouver2014/home.html>

For Sale

Icom IC-PCR1500 Software Defined Receiver, as pictured below. AM/FM/SSB and more, covers 0.010-3299.999 MHz. Requires a Windows computer. More specs and details at <http://goo.gl/W88hAQ>. Great reviews on eHam. MSRP \$499 offered at \$275. Selling this for a friend up north, contact John via email ve7ti@separs.net





Page 13—News You Can Lose

The Lighter Side of Amateur Radio

The Real History of the Internet!

In ancient Israel, it came to pass that a trader by the name of Abraham Com did take unto himself a healthy young wife by the name of Dorothy. And Dot Com was a comely woman, Large of breast, broad of shoulder and long of leg. Indeed, she was often called Amazon Dot Com. And she said unto Abraham, her husband, "Why dost thou travel so far from town to town with thy goods when thou canst trade without ever leaving thy tent?"

And Abraham did look at her as though she were several saddle bags short of a camel load, but simply said, "How, dear?" And Dot replied, "I will place drums in all the towns and drums in between to send messages saying what you have for sale, and they will reply telling you who hath the best price. The sale can be made on the drums and delivery made by Uriah's Pony Stable (UPS)."

Abraham thought long and decided he would let Dot have her way with the drums. And the drums rang out and were an immediate success. Abraham sold all the goods he had at the top price, without ever having to move from his tent.

To prevent neighboring countries from overhearing what the drums were saying, Dot devised a system that only she and the drummers knew. It was known as Must Send Drum Over Sound (MSDOS), and she also developed a language to transmit ideas and pictures - Hebrew To The People (HTTP). And the young men did take to Dot Com's trading as doth the greedy horsefly take to camel dung. They were called Nomadic Ecclesiastical Rich Dominican Sybarites, or NERDS.

And lo, the land was so feverish with joy at the new riches and the deafening sound of drums that no one noticed that the real riches were going to that enterprising drum dealer, Brother William of Gates, who bought off every drum maker in the land. Indeed he did insist on drums to be made that would work only with Brother Gates' drumheads and drumsticks.

And Dot did say, "Oh, Abraham, what we have started is being taken over by others." And Abraham looked out over the Bay of Ezekiel, or eBay as it came to be known. He said, "We need a name that reflects what we are." And Dot replied, "Young Ambitious Hebrew Owner Operators." "YAHOO," said Abraham. And because it was Dot's idea, they named it YAHOO Dot Com.

Abraham's cousin, Joshua, being the young Gregarious Energetic Educated Kid (GEEK) that he was, soon started using Dot's drums to locate things around the countryside. It soon became known as God's Own Official Guide to Locating Everything (GOOGLE).

That is how it all began.



Field Day Alternate Power Bonus Points



At Field Day, bonus points are awarded for making contacts using an alternative power source. Here are two examples, using a bicycle to run a generator and using several hundred lemons wired in series and parallel using two strips of dissimilar metals for each lemon. The latter at VECTOR FD 2000. I prefer that latter as we had lemonade afterwards.



SEPAR Report

Fred Orsetti VE7IO

The June Report



Surrey Emergency Program Amateur Radio

1. Thanks to the outgoing executive for volunteering their time and knowledge to the City of Surrey through the SEPAR organization. The City of Surrey hosts the volunteer appreciation night each fall to say thanks. There are several outstanding items on the agenda for the new executive and we are well on our way to resolving them.

- Completing the 2014 Annual Report for the BC Society - completed May 5/2014
- Outstanding gaming funds from 2011
- Outstanding denial of the 2012 gaming grant

2. Preparations for 4 events are underway and progress is as follows -

- ESS Mini Mock May 27th - SEPAR has been invited to participate in a mini-mock ESS exercise on Tuesday May 27th from 18:30 to 20:30. The scenario will involve an apartment fire resulting in the evacuation of a number of residents and we will be providing the service of community welfare messages. This is a small exercise and we will need five operators, so please send Peter an email if you are interested at ve7pgx@gmail.com
- Doors Open event June 21st -
 - site inspection is complete
 - we are waiting for confirmation on the positioning of the trailer and radios
 - signup is going well (if you have not signed up and would like to help please contact Marcy - louie_family@shaw.ca).
 - Icom has offered additional equipment if needed (this is still under review)
- Field Day 2014 working with the Surrey ARC -
 - The field day planning committee has been working diligently for several weeks now on FD 2014 and are well into developing a successful FD for this year. Stan VA7NF and Ron Casey, VE7VTA are the SEPAR reps on the committee. SEPAR has an important role to play in FD 2014.
- Canada Day 2014

This will be a setup with the trailer and heavily oriented to public demonstration of amateur radio emergency communications. Interaction with the public is the theme.

We now have a confirmed schedule for full SEPAR meetings on the 4th Tuesday of each month at Fire Hall #9 training center 14901 64th Avenue. The format of the meetings will comprise training components and social activities. Plans include hands on training, information sessions, guest speakers and social time with refreshments. The training center lends itself well to all these activities including training on setting up a grab and go kit and training on the mobile trailer.

There have been questions about having the meetings on a Tuesday which is the net night. There will be a radio on site for members to check in and having a station on site provides an opportunity to train net control operators. A net night may start with 20 minutes of net control protocol instruction then have hands on training. This should be an excellent opportunity to expand our pool of net control operators and conduct message handling training. Also this will be a good opportunity for those who would like more on the air experience to participate. If you have an HT please make sure you bring it along.

Due to the ESS mini mock exercise on Tuesday May 27th it was not possible to hold our first meeting on the fourth Tuesday of May. As there are two major events for SEPAR coming up in June a full SEPAR meeting could not be skipped so there is a SEPAR meeting scheduled for Tuesday June 3rd at the #9 training center. The two major events are *Doors Open* with the City and *SARC/SEPAR Field Day*.

SEPAR is not an amateur radio club but is a community service organization that includes both licensed Amateur radio operators and other community volunteers involved in the city emergency program. SEPAR has opened discussions with Emergency Social Services (ESS) and is working with the RAC Section Manager and the ARES program. Over the next few months SEPAR will focus on developing a closer working relationship with ESS and working with the Surrey Emergency Program (SEP) within the community.

Surrey is a very large city and with the emergency communications equipment we now have we will require the support of all SEPAR volunteers so please try to attend the monthly meetings.

I am looking forward to getting reacquainted with all SEPAR members whom I may not have seen recently. There is no need to RSVP however if you have a specific request please do not hesitate to send it along.

ve7io@separs.net

A Notable QSL Card

The Jet Propulsion Lab finally got around to sending out QSL cards for the "Say HI to JUNO!" event. Juno is a NASA spacecraft launched in 2011 on its way to Jupiter. To save fuel and let the spacecraft haul more science equipment, the plan was to launch it into an orbit that didn't quite reach Jupiter, wait for it to swing back around to Earth, and use Earth's gravity to fling it the rest of the way. That second swing past Earth happened this past October.

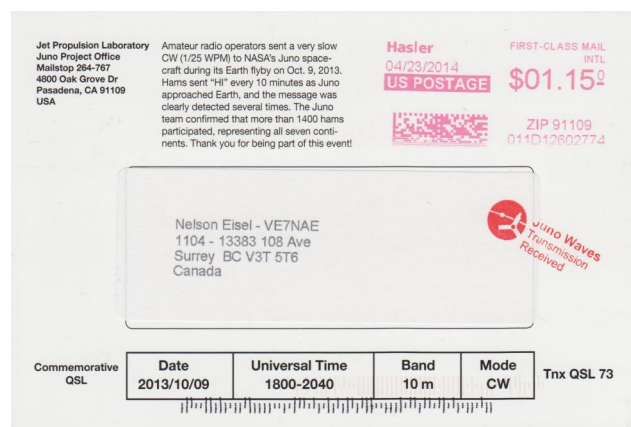
The lead researcher on the radio & plasma wave sensor is Don Kirchner, KD0L, and he figured he'd get hams to help give his instrument one last test run on its last slingshot past Earth enroute to Jupiter. Extremely slow speed morse code, 1/25th WPM, was sent on 10 meters by a around a thousand amateurs around the world, all synchronized so we were sending the same message at the same time, one complete transmission of the word "HI" every ten minutes.

I ran this from the mountain cyclists' upper parking lot on Sumas Mountain, not far from the Fraser Valley Amateur Radio Emergency Service Society's VE7RVA repeater, with a rented generator, my Yaesu, and a window-line fed dipole in the trees.

Together, we rang the ionosphere loud enough that Juno detected a repeating signal that could not be explained by natural sources, leading researchers to suspect there may actually be an intelligent, tool-using life form on Earth!

Attached are scans of the QSL card. On the front, the barcode-looking things above the dots are representations of the signal the spacecraft actually reported to the researchers.

~VE7NAE Nelson



New SEPAR Meeting Night!

Fourth Tuesday of each month starting at 1900 hrs

Location and event schedule can be found at separ.shutterfly.com — click on the calendar tab

Every so often someone writes a timely article and the ARRL article on the next two pages is one of those articles. First let me thank Don, VA7GL, for bringing this to my attention. Don came across this in May QST and he immediately recognized it as supporting the current coffee meeting discussions. Don provided copies for the Emergency Planner and the SEP Executive Assistant.

When I read the article it struck me that it may be of interest to all SEPAR members as it clearly defines the direction of Amateur Radio Emergency Communications. In today's world with the rapidly expanding personal and commercial systems amateur radio needs to take a close look at what services we can provide for the City and the community, this article does that.

I encourage everyone to take a few minutes to read Rick's article and think about the hardware SEPAR has and how it may be used to serve the City and the residence who living within the City. Following the suggestions within the article may also give us some ideas on how our volunteers are trained, NTS messaging, digital, HF communications and managing a station. If we are helping the public at large we need to have the skills to organize NTS traffic, digital traffic and process the messages properly.

After reading the article I would really like to hear your thoughts.

Fred VE7IO

President/Coordinator SEPAR

THE FOLLOWING ARTICLE "REPRINTED WITH PERMISSION, MAY 2014 QST - Copyright ARRL

Reprinted with permission of ARRL



Public Service

Rick Palm, K1CE, k1ce@arrl.org

The Served Community

A new initiative in public service Amateur Radio.

Anyone who has been involved, directly or indirectly, with emergency management and disaster response for the past few years is aware of FEMA's "whole community" concept (www.fema.gov/whole-community). This concept recognizes that a government-centric approach to disaster response is not enough; effective disaster response takes the participation of partners at many levels. The larger collective emergency management team includes not only FEMA and its partners at the federal level, but also local, tribal, state, and territorial partners; non-governmental organizations like faith-based and nonprofit groups and private sector industry; to individuals, families, and communities, who continue to be the nation's most important assets as first responders during a disaster.

Likewise, in Amateur Radio we are very familiar with the "served agency" concept. Nearly every ARES® group has one or more served agencies they assist during an emergency or disaster. The served agency approach in Amateur Radio has created an environment where we see the agency as the "customer," and the object of our assistance.

The reality is, however, the served agency is not the object of our assistance, but the method of delivering assistance to the true customer — the public. And, as in the "whole community" concept, we must recognize that an effective response to disaster includes more partners than the served agency. Response to disaster begins at the community level — even more specifically, at the neighborhood level.

Amateurs in Their Communities

The thought of public service communications usually brings to mind work in EOCs or Red Cross shelters, volunteering at parades and marathons, and maybe SKYWARN or hurricane activations. The truth is, public service communications starts with the obvious — the public. FEMA administrator Craig Fugate, KK4INZ, once observed that Amateur Radio operators are

"700,000 data collection points." While the number may not be quite accurate, the basic message is true. Amateurs maintain stations capable of reporting what is happening in their immediate community or neighborhood — in other words, the place where disaster strikes. They are the eyes and ears at "ground zero."

The Amateur Service also is a technical service. Amateur Radio operators are a technical knowledge source that can serve their neighborhoods during an emergency. During hurricanes Irene and Sandy in the Northeast, there was a common need for charging stations where people could recharge their phones, tablets, and computers. In any emergency, people with special medical needs may also need access to power for medical devices. Amateurs, with their knowledge of emergency power generation and distribution, are tremendous assets when these needs arise.

The radio amateur is also a communicator for his or her community. The neighborhood amateur can help pass messages in and out of the immediately affected area for his or her neighbors. This can be done through traditional nets and traffic systems, or through online resources such as the Red Cross Safe and Well website (safelandwell.communityos.org). The amateur's knowledge of communications systems and networks allows him or her to provide guidance on how to communicate with loved ones when disaster strikes.

We also cannot forget our duty to be good ambassadors for the Amateur Radio Service, and this begins in the neighborhood. By interacting with our neighbors, educating them about the Amateur Service, and demonstrating our value to the neighborhood, we establish a solid foundation for being an even greater asset during times of disaster. Being a good ambassador also goes a long way toward neighbors approving of antennas and antenna structures.

The main thing to keep in mind is that every

Amateur Radio licensee can do this. The skills that you provide to your neighbors are those that you learned in order to pass your license exam and that you now hone by being active on the air, building your station, networking with your neighbors and other amateurs, and learning more about the Amateur Radio Service. It does not require membership in a club or ARES group. There is no specific training, but it does require some forethought and considerations.

Before the Disaster

Long before disaster strikes, you must take some basic precautions. Being prepared for an emergency is something that everyone should take seriously. For the amateur, preparedness will include making sure your station is ready in case of a power outage, ensuring that you are ready to set up portable if needed, and that you and your family are prepared. FEMA, the National Weather Service, the Red Cross, and many other organizations provide information about how to be ready for a disaster. Armed with this knowledge, you can help neighbors prepare.

Most people are familiar with the threats that face their neighborhoods. They usually know what types of severe weather are most likely to affect their communities. They also usually know their neighbors and which ones are most vulnerable when something goes wrong. A basic knowledge of the threats to the neighborhood is important, as that is how we develop our own personal preparedness plans.

Another important part of the served community concept is to network with other amateurs, particularly the local ARES group and those that work with the Red Cross, the National Weather Service, and other served agencies. These are the amateurs you will likely need to send reports and traffic to during a disaster. You should know who they are, their call signs, which served agency they work with, etc. Attending meetings and training classes, like SKYWARN, does a lot to build relationships with these amateurs.

You should also know on which HF/VHF/UHF frequencies emergency nets are conducted in your area, and the protocol for each net. Learn net control's preferred format for information ahead of time. Following the correct protocol will make communications more efficient during a disaster.

Disaster Strikes

When disaster strikes, the first thing you must do is make sure you and your family are safe. Heed any orders for evacuation, boiling water, and other precautions and preparations. Once you have taken care of your own safety needs, then you can move on to serving your community. There are two actions that you can take — assessment of the needs of people, and assessment of the environment.

In assessing the needs of people, you determine what the community needs and which needs can be met, such as passing messages, setting up a charging station, or delivering incoming messages. Assessing the environment involves observing reportable conditions in your immediate area, such as power lines that are down, severe weather conditions, or other potential hazards.

Assessment requires reporting. This is where the link to the local ARES group or emergency net comes in. During the disaster, it is crucial to stay connected with the activities supporting local served agencies — remember, this may go beyond just the usual nets. Communications redundancy is critical, so make sure you have not only the net information but also any phone numbers (along with knowledge of who can receive text messages), web links, and e-mail addresses that you may need.

Post Disaster

Our role in service to the community does not end when the disaster is over. In the post-disaster phase we need to do some assessment.

Let's start with our station. Did the antennas survive? How did the emergency power hold up? At this point we need to address the weak points in our station and make notes on ways to make it more resilient. Also assess your individual/family emergency plan.

Next we move to assessing our role in the neighborhood. This assessment will depend on what it was we did for our neighbors. Let's say we set up a neighborhood charging station. Did you have the right charger con-

Training Essentials

Your equipment and experience make you an asset for your community as it copes with a disaster. You can become even more valuable if you add the proper disaster training to your skill set. Here is a "short list" of essential courses.

- *CPR and Basic Life Support*, taught by the American Heart Association (www.heart.org) should be at the top of everyone's list. First Aid should also be included in this new era of trained citizens as first responders, especially in the context of the CERT program.
- *FEMA IS-317; Introduction to CERT*, features six online modules with topics that include Fire Safety, Hazardous Material and Terrorist Incidents, Disaster Medical Operations, and Search and Rescue. IS-317 is available at www.citizencorps.fema.gov/cert/IS317 and can be taken by anyone interested in CERT. However, to become a CERT volunteer, one must complete the classroom training offered by a local government agency such as the emergency management agency, fire or police department.
- *ICS 100, Introduction to the Incident Command System*, describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). It's available online at emilms.fema.gov/IS100b/index.htm.
- *ICS 200, ICS for Single Resources and Initial Action Incidents*, is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). ICS-200 provides training on and resources for personnel who are likely to assume a supervisory position within the ICS. It is available online at emilms.fema.gov/IS200b/index.htm.
- *ICS-700.A, The National Incident Management System (NIMS), An Introduction*; NIMS provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents. It is available online at emilms.fema.gov/IS700aNEW/index.htm.
- *IS-800.B: National Response Framework, An Introduction*: The course introduces participants to the concepts and principles of the National Response Framework. It is available online at emilms.fema.gov/IS800B/index.htm.
- *EC-001, Introduction to Emergency Communication*; This ARRL® course was recently revised and is designed to provide the ARES operator with basic knowledge and tools for any disaster communications operation. The course has six sections with 29 lesson topics. More information can be found at www.arrrl.org/online-course-catalog.

nectors? Enough power? Did your neighbors know the service was available? Think of ways to improve for next time.

Finally we need to be part of the overall Amateur Radio assessment. You will need to reach out to your local ARES emergency coordinator, club president, net manager, and any other amateurs involved in your community's response to the disaster. An after-action report (AAR) will likely be written and Amateur Radio will probably be a part of it.

Conclusion

The opportunities for involvement at the neighborhood level may already be there. Organizations such as Community Emergency Response Teams (CERT) and Neighborhood Watch provide great avenues for getting involved. As the neighborhood

Amateur Radio station, you are not alone in helping your community with resiliency, you are part of a team. Don't think you have to go it alone — others also bring something to the effort.

As you may have noticed, the focus here is not on ARES, RACES, MARS, or any other Amateur Radio public service group. That is intentional. Every single licensed amateur can be involved in community emergency preparedness. Whether your day-to-day interest is DXing, contesting, ragchewing, VHF/UHF, or another aspect of Amateur Radio, you can play a part — no special affiliation is needed. Every amateur is called to be an asset to his or her community and to assist when help is needed. — Mike Corey, K1IU, ARRL Emergency Preparedness Manager



QRT...

John Brodie VA7XB

Field Day Planning... The countdown has started



By now every member should know what Field Day is all about. I use this opportunity to focus on a few details that bear special mention, as well as to request members' input and contributions to a few of our outstanding needs.

We still need the following:

- Alex IZ7FMM does not have a car and so requires someone to transport food and supplies to/from Field Day as well as provide any food preparation items he needs.
- 2 garbage pails and at least 6 garbage bags
- A popup shelter for the Information table
- The "still-needed" list will be reviewed at the AGM on June 11th

Meal Schedule

- Meals will be served at Saturday lunch, Saturday supper and Sunday breakfast for those who have pre-paid (**pre-pay at AGM June 11th at latest**)
- Coffee, water, soft drinks will be available at all times starting Friday morning
- You will be responsible for providing your own food at all other times.

What to Bring:

- SARC or SEPAR name tag
- SEPAR vest if you have one
- Your own personal coffee mug
- A lawn chair - so you have a place to sit and relax
- Suitable clothing - warm and/or rainproof as needed, based on the forecast (don't forget the sunglasses and maybe even sunscreen if sun is expected)
- Sleeping bag & air mattress if you plan to nap in the Crash Tent or stay overnight in your own vehicle
- Flashlight if you plan to be present during the hours of darkness
- Safety gear if you plan to help with setup or take-down: hard hat and hi-visibility vest, gloves, and safety boots if you have them

If you are not otherwise Involved with the FD Preparations

- Visit us on Saturday afternoon with family members and join in the planned activities
- Come and help us make 20 contacts in the GOTA station if you are a newly licensed ham or have been inactive on HF for several years. If you're an old hand, bring along unlicensed family members or friends to make 20 GOTA contacts
- If you have HF privileges but are not part of the competitive team, join us in the "drop-in" station or the VHF station and make some contacts

Do Stay for the weekend: Whether or not you will be operating, you are encouraged to bring your motor home, trailer or tent. There is lots of room but please park along the west side of the grounds, away from towers, antennas and guy wires.

Do Join us at a pre-FD breakfast at the Kalmar Family Restaurant (King George Blvd at 81st Ave) between 0730 and 0830 on Friday June 27th.

If you Can Help Set Up Equipment at the Site

- Assemble at Grandview (20th Ave. and 176th St.) any time after 0900 hr on Friday June 27th
- Take-down will be from 1100 hr to 1500 hr. on Sunday
- Bring tools

Important Reminders:

- This is a liquor-free event
- You may bring your pet but you are responsible to keep it under control and clean up after it
- Make sure you label all personal items with your name and/or callsign

Field Day is our opportunity to show-case Amateur Radio to the public.

Do your part to make us proud of our contribution to the community



Surrey Amateur Radio Club

2014 ANNUAL GENERAL MEETING

Notice of Annual General Meeting and Election of Directors

Wednesday, June 11th at 7 pm
Provincial Regional Emergency Operations Centre,
14275 96th Avenue, Surrey

Agenda

- Welcome/Introductions
- Approval of agenda
- Minutes of 2013 AGM (please review prior to AGM)
- Annual Financial Reports
- Committee & Other Reports
- Approval of Changes to Bylaws
- Election of Directors

Nominations

In 2013 the membership approved an amendment to the Bylaws that saw Directors elected for a 2-year term. As a result, half the elected positions will be up for re-election this year. The slate of members that have already agreed to stand will be posted. After a call for additional nominations from the floor, up to 4 Directors will be elected. The elected Directors will subsequently appoint Officers (President, Vice President, Secretary, Treasurer) in accordance with the bylaws.

Note that only members in good standing may vote on motions or election of Directors.

Please refer to the SARC website: <http://ve7sar.net/theclub/bylaws-nov-05-2010.pdf> should you wish to review the Constitution and Bylaws of the Club.

We look forward to your attendance

John Brodie VA7XB
President SARC

Your 2013—2014 Executive

Officers:

President: John Brodie VA7XB

Vice-President: Brett Garrett VE7GM

Secretary: Rob Gilchrist VE7CZV (Net Manager)

Treasurer: Scott Hawrelak VE7CNR

Directors:

Bill Gipps VE7XS

Bill Little VA7ZBL (Membership)

George Merchant VE7QH (Repeater Coordinator)

John Schouten VE7TI (Newsletter Editor)



SARC 2013-2014 Directors L>R: Scott Hawrelak, Brett Garrett, Rob Gilchrist, Kelvin Hall, John Brodie, George Merchant and John Schouten. Absent: Bill Gipps

An Annual General Meeting, commonly referred to as an AGM, is a formal meeting which is held once a year. It is a legal requirement for voluntary organizations that have registered status. It is good practice to have an AGM to act as a review of the year and deal with issues such as the election of committee and board members and reviewing the accounts.

Although it is a formal meeting, it can also be a good opportunity to communicate with members, clients, partners and other interested parties.



Minutes Of The 2013 Annual General Meeting

June 12, 2013

The meeting was called to order at 1900 hr by President John Brodie VA7XB who declared that as the Club's last meeting of the season, this would be the Annual General Meeting for the fiscal year which ended May 31st. Only members in good standing would be allowed to vote on motions, and those elected would commence their duties immediately following the meeting.

After Bill Little VA7ZBL confirmed that 24 members present constituted a quorum, John VA7XB asked for a motion to approve the proposed agenda - moved by Chris Cowx VA7CWX, seconded by Joyce Robertson VA7JCE, and the motion carried.

With 2012 AGM minutes having been previously circulated by email, provided on the website and included in the May 1st Communicator, a motion to approve the 2012 AGM minutes was made Al Neufeld VE7CDC, seconded by Arthur Siemens VE7SIE and the motion carried.

Scott Hawrelak VE7HA presented in a series of slides the annual financial statements for the chequing and savings accounts, as audited by Paulette Schouten VE7VPE. John VA7XB then did the same for the Lottery account, stating that the account was now fully spent with a minimal balance retained to keep the account open. After a few clarifying questions and responses provided by Scott and John, a motion was made by Kjeld VE7GP to approve the financial statements, seconded by Al Neufeld VE7CDC, and the motion carried unanimously. Later a motion was made and approved to send Paulette a \$100 gift of appreciation for her voluntary services on the financial audit.

After a short coffee break, John Schouten VE7TI reviewed proposed changes to the Club bylaws prepared jointly by himself and George Merchant VE7QH. The recommendations had been forwarded earlier to the membership by way of the AGM announcement, a website notice and an item in the Communicator. After some discussion, a motion to adopt the changes as recommended was made by John Schouten VE7TI, seconded by Al Neufeld VE7CDC and the motion carried unanimously. It was explained that the bylaw revisions, now in effect, would have 8 directors elected and those directors would subsequently select the officers (President, Vice President, Secretary and Treasurer).

Anton James VE7SSD conducted the election of directors. The existing slate of 8 officers (excluding Kelvin Hall VA7KPH, who stood down) willing to stand for the 8 director positions was presented by Anton - 4 of these to be elected for a 1-year term and 4 others to be elected for a 2-year term in order to initiate the staggered terms, with subsequent elections to have all directors elected for a 2-year term. Anton called 3 times for nominations from the floor and, with none forthcoming, a motion was made by Kjeld Frederiksen VE7GP and seconded by Jinty Reid VA7JMR to accept by acclamation these 8 nominations as the newly elected directors. The vote carried unanimously. John VE7TI thanked Kelvin VA7KPH for his dedicated service as director over the past year.

Elected for a 1-year term were: John Brodie VA7XB, Brett Garrett VE7GM, Bill Gipps VE7XS and Bill Little VA7ZBL.

Elected for a 2-year term were George Merchant VE7QH, Rob Gilchrist VE7CZV, John Schouten VE7TI and Scott Hawrelak VE7HA.

The agenda moved on to Committee and Other Reports, included at the end of these minutes.

- Membership (Bill VA7ZBL)
- Foxhunt (Anton VE7SSD)

- SEPARS (Kelvin VA7KPH)
- Repeater (George VE7QH)
- Operator Training (John VA7XB)
- Communicator (John VE7TI)
- Website (Hiu VE7YXG)
- Inventory (Anton VE7SSD)
- RAC (Bill VE7XS)
- Equipment (Rick VE7GMO)

The following announcements were made by John VA7XB:

- Abbreviated membership Lists are available on request from Bill VA7ZBL.
- Orders for SARC name badges will be taken at the September meeting.
- Cruise-in and Raffle Tickets: All members should have a book of tickets to sell or, if not, should obtain one. Cash and stubs must be returned before the draw date of Sept 7th at the Cruise-in. They may be returned on Friday mornings at the ABC breakfast get-together throughout the summer. Volunteers will be requested later to help out at the Cruise-in SARC/SEPAR/LARA table and assist with event communications.
- The Tuesday night club net and the Friday breakfast will continue on an informal basis throughout the summer.
- The post-meeting social at McDonalds following monthly meetings will continue as long as there is sufficient interest - 15574 Fraser Highway.
- The next club meeting will take place on Sept. 11th, at which time task assignments will be made, followed by an in-house swap meet.
- Club inventory will be reviewed over the summer to identify items for disposal, sale or loan-out to members.
- Pat Speer VA7XE has generously donated a SONY CT 260 Sound Bar System to the club, which will be raffled off in the fall.
- A club visit to the repeater site has been deferred until the required changes have been made to the ventilation system.
- Marvin Hunt, an honorary member of SARC and Surrey Councilor has recently been elected as MLA and has advised he plans to attend our Field Day event.

Final Words and Adjournment

John VA7XB thanked the Executive for their outstanding support during the year with the comment that he felt privileged to have such a competent and expert team working on behalf of the Club. There being no further business, the meeting was adjourned at 2100 hr.

~Recorded by John VA7XB

Directors' Reports

Vice-President Brett Garrett VE7GM

Operator Training

This was a busy season for the Operator Training program. Last year we focused mainly on introducing the world of contesting to a larger group of members through the Get Your Feet Wet sessions. This year we focused on working with members who were anxious to develop their contesting skills to an advanced level.

A look back at the statistics for the year brings out some interesting facts. We held 13 training sessions: Six for SSB, two for CW, one for SSB and CW, and 4 for RTTY. There were a total of 63 trainee sessions, with 19 individuals taking part.

This was a year of great progress in operator capabilities, and we can expect to see the months-long dedication paying off in this year's Field Day score.

Thanks to John VA7XB, Jim VE7FO, and Fred VE7IO for opening up their shacks and hosting the training events this year.

Field Day

With several new and very capable operators joining our Field Day competitive operations year, we are anticipating another record year for our SARC-SEPARS Field Day entry.

We are introducing several changes this year. First, we will be changing our entry category from 3A (club station with three simultaneous HF transmitters) to 2A (club station with two simultaneous HF transmitters). The reason for the change is to free up one HF band of the generally reliable trio of 20 m, 15 m, and 10 m for the GOTA station.

In spite of a yeoman effort last year by Jinty VA7JMR and her team of GOTA coaches, the GOTA station wasn't able to find stations to work on the bands assigned to GOTA. This year GOTA will have one of the three generally busy bands and should be a hive of activity!

In addition, this year we will be introducing a drop-in HF station for HF operators who are not into contest operating, but would still like to make a few contacts on Field Day.

Another change this year is the creation of operating teams who are responsible for assembling their own stations. This has the two benefits of reducing the preparatory burden on the small Field Day planning committee, and simultaneously enabling operators to use their own radio gear to support their Field Day

operations. We have two teams this year, one focused on CW operation (led by John VA7XB), and one focused on SSB operation (led by John VE7TI).

In just five weeks from the time this is being written, we'll know how the changes worked out and how our score looks compared with last year. In the meantime, these last few weeks will be busy for the planning committee and all the task leads looking after all the last minute details that make all the difference to success. Wish us all luck, or, better yet, pitch in and help!

Scott Hawrelak

Treasurer

Scott will present a financial report at the AGM.

Bill Little VA7ZBL

Membership

Paid membership now stands at 77 plus one honorary. Marvin Hunt. This year we introduced fees payable by PayPal details of which may be found on our web page. The list is constantly changing as we add new members and update existing ones. The list has several uses such as emailing The Communicator, a Christmas Party list for Jinty and currently tracking our progress with lottery ticket sales.

This is my final year as director and membership keeper. I would like to thank everyone for their support and assistance in maintaining the records.

John Schouten VE7TI

Communicator

It has been my pleasure to publish 11 issues of the SARC Communicator during the past year. As a result of newsletter sharing through RAC, we have broadened our readership beyond Surrey, and even beyond North America.

As always, the Communicator is only as good as the content. We have about six regular contributors who share everything from Club events, personal experiences and writing articles on specific subjects. If each member contributed one small item each year we would be flush with content and be able to make the Communicator an even more interesting read for other club members.

Look for a revised format for the newsletter in September.